



PROTECTING WOMEN

FORM POSSIBLE SAFETY THREATS



idea/solution **DETAILS**

Real-time monitoring with gender detection and SOS alerts

OBJECTIVE: ENHANCE WOMEN'S SAFETY BY ANALYZING REAL-TIME CCTV FOOTAGE USING ADVANCED MACHINE LEARNING.

Key Features

- **Gender Distribution Insights -**
 - **Real Time Analysis** - Monitors and reports gender distribution in surveillance areas.
 - **Risk Detection** - Flags insignificant gender imbalances.
- **Sending SOS Alerts** - Using Data of gender distribution, location and current time, sending two-tier SOS Alerts to the authorities.
- **Identifies Unusual Pattern** - Lone Women at Night can be detected or suspicious gestures to preempt potential threats.

Innovation and Differentiation

1. Two Tier SOS System -

- **Orange Alert -**
 - Triggers when a lone women is detected at night or when there is significant gender imbalance.
 - Notifies monitoring personnel.
- **Red Alert -**
 - In High Risk Scenarios like hotspots, late night and suspicious gesture.
 - Action Taken - Send SOS to authorities with critical details.

2. **Contextual Awareness** - The system intelligently factors in time, location and crowd dynamic.

3. **Gesture Recognition** - Integration of gesture analytics, will enable the SOS alert.